

101091, 938

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,730,367 B2  
DATED : May 4, 2004  
INVENTOR(S) : Sandhu

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [57], **ABSTRACT**, please delete:

"A method for atomic layer deposition providing a dispenser unit used to prevent mixing of a precursor gas and an input gas is disclosed. From the dispenser unit a flow of the input gas is provided over a surface of the workpiece wherein a beam of the electromagnetic radiation is directed into the input gas in close proximity to the surface of the workpiece, but spaced a finite distance therefrom. The input gas is dissociated by the beam producing a high flux point of use generated reactive gas species that reacts with a surface reactant formed on the surface of the workpiece by a direct flow of the precursor gas flown from the dispensing unit. The surface reactant and reactive gas species react to form a desired monolayer of a material on the surface of the workpiece." should read:

-- A method for atomic layer deposition providing a dispenser unit used to prevent mixing of a precursor gas and an input gas is disclosed. From the dispenser unit a flow of the input gas is provided over a surface of the workpiece wherein a beam of the electromagnetic radiation is directed into the input gas in close proximity to the surface of the workpiece, but spaced a finite distance therefrom. The input gas is dissociated by the beam producing a high flux point of use generated reactive gas species that reacts with a surface reactant formed on the surface of the workpiece by a direct flow of the precursor gas flown from the dispensing unit. The surface reactant and reactive gas species react to form a desired monolayer of a material on the surface of the workpiece. --;

Column 10.

Line 51, "precursor;" should read -- precursor gas --;

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11.

Line 3, "O<sub>2</sub>, O<sub>3</sub>, CCl<sub>4</sub>, BCl<sub>3</sub>, CDF<sub>3</sub>, CF<sub>4</sub>, CFCl<sub>3</sub>, F<sub>2</sub>CO, (FCO)<sub>2</sub>," should read -- O<sub>2</sub>, O<sub>3</sub>, CCl<sub>4</sub>, BCl<sub>3</sub>, CDF<sub>3</sub>, CF<sub>4</sub>, SiH<sub>4</sub>, CFCl<sub>3</sub>, F<sub>2</sub>CO, (FCO)<sub>2</sub>, --.

Signed and Sealed this

Twenty-first Day of December, 2004



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*